

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000703

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01R12/20 H01R24/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| Y          | US 6 511 348 B1 (WOJTACKI THOMAS ET AL)<br>28 January 2003 (2003-01-28)<br>cited in the application<br>claim 1; figures 1,2a,3a,9,16 | 1-30                  |
| Y          | US 2003/139091 A1 (KAMARAUSKAS MICHAEL R<br>ET AL) 24 July 2003 (2003-07-24)<br>paragraph '0022! - paragraph '0023!;<br>figure 3     | 1-30                  |
| Y          | US 2003/087559 A1 (KORSUNSKY IOSIF R ET<br>AL) 8 May 2003 (2003-05-08)   | 16-18                 |
| A          | paragraph '0026! - paragraph '0029!;<br>figures 2-5a<br>paragraph '0042!   | 1                     |
|            | -/--   |                       |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

20 April 2005

Date of mailing of the international search report

04/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Jiménez, J

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2005/000703

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| Y          | US 6 659 807 B1 (ZHENG QISHENG ET AL)<br>9 December 2003 (2003-12-09)  | 4, 7, 30              |
| A          | abstract; figures 1-6<br>-----   | 1                     |
| Y          | US 6 641 440 B1 (HYLAND JAMES H ET AL)<br>4 November 2003 (2003-11-04)<br>column 5, line 10 - line 12; figure 1<br>-----                                     | 24                    |
| A          | US 6 206 725 B1 (WU KUN-TSAN)<br>27 March 2001 (2001-03-27)<br>column 4, line 48 - column 5, line 34;<br>figures 1-6<br>column 4, line 48 - line 57<br>----- | 1                     |
| A          | US 6 179 650 B1 (CHIH-KAI CHANG)<br>30 January 2001 (2001-01-30)<br>claim 1; figures 1,2<br>-----  | 1                     |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000703

| Patent document<br>cited in search report |    | Publication<br>date |      | Patent family<br>member(s) | Publication<br>date |
|---|----|---------------------|------|----------------------------|---------------------|
| US 6511348                                | B1 | 28-01-2003          | TW   | 573386 B                   | 21-01-2004          |
|   |    |                     | WO   | 03036765 A1                | 01-05-2003          |
| US 2003139091                             | A1 | 24-07-2003          | CN   | 1453906 A                  | 05-11-2003          |
|   |    |                     | JP   | 2003264042 A               | 19-09-2003          |
|   |    |                     | TW   | 587851 Y                   | 11-05-2004          |
| US 2003087559                             | A1 | 08-05-2003          | US   | 2002177366 A1              | 28-11-2002          |
|   |    |                     | CN   | 2660735 Y                  | 01-12-2004          |
|   |    |                     | TW   | 558142 Y                   | 11-10-2003          |
|   |    |                     | CN   | 2548321 Y                  | 30-04-2003          |
|   |    |                     | TW   | 527029 Y                   | 01-04-2003          |
|   |    |                     | US   | 2003087555 A1              | 08-05-2003          |
|   |    |                     | US   | 6537110 B1                 | 25-03-2003          |
|   |    |                     | US   | 2003109174 A1              | 12-06-2003          |
|   |    |                     | US   | 2003087558 A1              | 08-05-2003          |
|   |    |                     | US   | 2003087556 A1              | 08-05-2003          |
| US 6659807                                | B1 | 09-12-2003          | TW   | 566720 Y                   | 11-12-2003          |
| US 6641440                                | B1 | 04-11-2003          | CN   | 2599818 Y                  | 14-01-2004          |
|   |    |                     | TW   | 549679 Y                   | 21-08-2003          |
| US 6206725                                | B1 | 27-03-2001          | TW   | 433571 Y                   | 01-05-2001          |
| US 6179650                                | B1 | 30-01-2001          | NONE |                            |                     |